

Endius, Inc.
510(k) Premarket Notification
Endius TiTLE 2[®] Poly Axial Spinal System
April 7, 2006

APR 26 2006

Section 5 - 510(k) Summary

5.1 Statement

Pursuant to §513(i)(3)(A) of the Food, Drug, and Cosmetic Act, Endius, Inc. is required to submit with this Premarket Notification either an "... adequate summary of any information respecting safety and effectiveness or state that such information will be made available upon request of any person." Endius, Inc. chooses to submit a summary of information respecting safety and effectiveness. According to §513(i)(3)(B), "Any summary under subparagraph (A) respecting a device shall contain detailed information regarding data concerning adverse health effects..."

The summary regarding the adverse health effects of the modified device, Endius TiTLE 2[®] Poly Axial Spinal System is provided below.

5.2 Submitter

Endius, Inc.
23 West Bacon Street
Plainville, MA. 02762
Establishment Registration #: 1057469

5.3 Company Contact

Christine Kuntz-Nassif
Director, Regulatory Affairs/Quality Assurance
(508) 643-0983 x114
cnassif@endius.com

5.4 Device Name

Proprietary Name:

Endius TiTLE 2[®] Poly Axial Spinal System

Common Name:

Pedicle Screw System , Non-pedicle spinal fixation system

Classification Name:

Posterior, Noncervical, Nonpedicle System (KWP)
Noncervical, Pedicle System (MNH, MNI, NKB)

Regulation Number:

21 CFR 888.3050, 21 CFR 888.3070

Regulatory Class:

III

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5.5 Predicate Devices

Device Name(s) & 510(k) Number: Endius TiTLE 2[®] Poly Axial Spinal System, K041808

5.5.1 Device Description

The proposed Endius TiTLE 2[®] Poly Axial Spinal System is a system that is intended to be used for posterior lumbar fusion procedures. The system is manufactured from titanium which complies with ASTM F136. The components, which are included as part of the system, include screws, rods, and connection components.

5.5.2 Device Indications and Intended Use

The Endius TiTLE 2[®] Poly Axial Spinal System is indicated for degenerative disc disease (defined as discogenic back pain with degeneration of the disc confirmed by history and radiographic studies). Levels of fixation are for the thoracic, lumbar, and sacral spine.

The Endius TiTLE 2[®] Poly Axial Spinal System is a pedicle screw system intended to provide immobilization and stabilization of spinal segments in skeletally mature patients as an adjunct to fusion in the treatment of the following acute and chronic instabilities or deformities of the thoracic, lumbar, and sacral spine: degenerative spondylolisthesis with objective evidence of neurologic impairment, fracture, dislocation, scoliosis, kyphosis, spinal tumor, and failed previous fusion (pseudoarthrosis).

The Endius TiTLE 2[®] Poly Axial Spinal System is also indicated for pedicle screw fixation for severe spondylolisthesis (grades 3 and 4) at L5-S1, in skeletally mature patients, when autogenous bone graft is used, when affixed to the posterior lumbosacral spine, and intended to be removed after solid fusion is attained. Levels of fixation are from L3-S1.

In addition, the Endius TiTLE 2[®] Poly Axial Spinal System, when not used with pedicle screws is indicated for hook, wire, and/or sacral screw fixation from T1 to the ilium sacrum. The non-pedicle screw indications are spondylolisthesis, degenerative disc disease, (defined as discogenic back pain with degeneration of the disc confirmed by history and radiographic studies), deformities (scoliosis, lordosis and kyphosis), tumor, fracture, and previous failed fusion surgery.

5.6 Substantial Equivalence

Documentation, including mechanical test results, has been provided which demonstrate that the proposed Endius TiTLE 2[®] Poly Axial Spinal System components are substantially equivalent to the existing Endius TiTLE 2[®] Poly Axial Spinal System, K041808.

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DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

APR 26 2006

Endius, Inc.
c/o Ms. Christine Kuntz-Nassif
Director, Regulatory Affairs/Quality Assurance
23 West Bacon Street
Plainville, Massachusetts 02762

Re: K060990

Trade/Device Name: TiTLE 2[®] Polyaxial Spinal System
Regulation Number: 21 CFR 888.3070
Regulation Name: Pedicle screw spinal system
Regulatory Class: Class III
Product Code: NKB, KWP, MNH, MNI
Dated: April 7, 2006
Received: April 11, 2006

Dear Ms. Kuntz-Nassif:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set

forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (240) 276-0120. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,


Mark N. Melkerson

Director

Division of General, Restorative,
and Neurological Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

Endius, Inc.
510(k) Premarket Notification
Endius TiTLE 2[®] Poly Axial Spinal System
April 7, 2006

Indications for Use

510(k) Number (if known): K060990

Device Name: Endius TiTLE 2[®] Polyaxial Spinal System

Indications For Use:

The Endius TiTLE 2[®] Poly Axial Spinal System is indicated for degenerative disc disease (defined as discogenic back pain with degeneration of the disc confirmed by history and radiographic studies). Levels of fixation are for the thoracic, lumbar, and sacral spine.

The Endius TiTLE 2[®] Poly Axial Spinal System is a pedicle screw system intended to provide immobilization and stabilization of spinal segments in skeletally mature patients as an adjunct to fusion in the treatment of the following acute and chronic instabilities or deformities of the thoracic, lumbar, and sacral spine: degenerative spondylolisthesis with objective evidence of neurologic impairment, fracture, dislocation, scoliosis, kyphosis, spinal tumor, and failed previous fusion (pseudoarthrosis).

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Prescription Use X
(Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use _____
(21 CFR 807 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDREH, Office of Device Evaluation (ODE)

[Signature]
(Division Sign-Off)

Division of General, Restorative,
and Neurological Devices

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